

**IN THE CLAIMS**

Please cancel claims 10-36 and 54-91 without prejudice.

For the Examiner's convenience, all pending claims are included below.

1. (Original) A method comprising:  
generating a granular entropy distribution using information obtained from a header of a compressed bitstream; and  
applying one or more image processing operations based on the granular entropy distribution.
2. (Original) The method defined in Claim 1 further comprising decoding only a portion of coded data in the compressed bitstream as part of applying the one or more image processing operations.
3. (Original) The method defined in Claim 1 further comprising assigning a class label based on the header.
4. (Original) An article of manufacture having one or more recordable medium with executable instructions stored thereon which, when executed by a system, cause the system to:  
generate a granular entropy distribution using information obtained from a header of a compressed bitstream; and  
apply one or more image processing operations based on the granular entropy distribution.

5. (Original) The article of manufacture defined in Claim 4 further comprising instructions which, when executed, cause the system to decode only a portion of coded data in the compressed bitstream as part of applying the one or more image processing operations.

6. (Original) The article of manufacture defined in Claim 4 further comprising instructions which, when executed, cause the system to assign a class label based on the header.

7. (Original) An apparatus comprising:  
means for generating a granular entropy distribution using information obtained from a header of a compressed bitstream; and  
means for applying one or more image processing operations based on the granular entropy distribution.

8. (Original) The apparatus defined in Claim 7 further comprising decoding only a portion of coded data in the compressed bitstream as part of applying the one or more image processing operations.

9. (Original) The apparatus defined in Claim 7 further comprising assigning a class label based on the header.

10-36 (Canceled)

37. (Original) A method comprising:

receiving header information corresponding to a bit stream of multi-scale transform-based compressed data representing image data;  
generating a feature vector corresponding to image description bits in the bit stream from the header information; and  
performing one or more operations on at least a portion of the bit stream based on the feature vector.

38. (Original) The method defined in Claim 37 further comprising generating a distribution of the number of zero bit planes in one or more portions of compressed data, the distribution derived from the heading information.

39. (Original) The method defined in Claim 37 further comprising generating an entropy distribution based on the header information.

40. (Original) The method defined in Claim 39 wherein the entropy distribution is granular.

41. (Original) The method defined in Claim 39 wherein the entropy distribution comprises a map of bit distribution for the image data.

42. (Original) The method defined in Claim 39 wherein the entropy distribution is a length of coded data for codeblocks.

43. (Original) The method defined in Claim 37 wherein the header information is part of a JPEG 2000 file.

44. (Original) The method defined in Claim 37 wherein one of the one or more operations comprises classification.

45. (Original) An apparatus comprising:  
means for receiving header information corresponding to a bit stream of multi-scale transform-based compressed data representing image data;  
means for generating a feature vector corresponding to image description bits in the bit stream from the header information; and  
means for performing one or more operations on at least a portion of the bit stream based on the feature vector.

46. (Original) The apparatus of Claim 45 further comprising means for generating a distribution of the number of zero bit planes in one or more portions of compressed data, the wherein distribution is derived from the header information.

47. (Original) The apparatus of Claim 45 further comprising means for generating an entropy distribution based on the header information.

48. (Original) The apparatus of Claim 47 wherein the entropy distribution is granular.

49. (Original) The apparatus of Claim 47 wherein the entropy distribution comprises a map of bit distribution for the image data.

50. (Original) The apparatus of Claim 47 wherein the entropy distribution is a length of coded data for codeblocks.

51. (Original) The apparatus of Claim 45 wherein the header information is part of a JPEG 2000 file.

52. (Original) The apparatus of Claim 45 wherein one of the one or more operations comprises classification.

53. (Original) An article of manufacture having one or more recordable medium with executable instructions stored thereon which, when executed by a system, cause the system to:

receive header information corresponding to a bit stream of multi-scale transform-based compressed data representing image data;

generate a feature vector corresponding to image description bits in the bit stream from the header information; and

perform one or more operations on at least a portion of the bit stream based on the feature vector.

54-91 (Canceled)

92. (Original) A method comprising:

obtaining an estimation of a low bit rate entropy distribution from a high bit rate granular entropy distribution using information obtained from a header of a compressed bitstream; and applying one or more image processing operations.

93. (Original) The method defined in Claim 92 wherein obtaining the estimation comprises extracting information from a first plurality of layers and ignoring packets in layers other than the first plurality of layers.

94. (Original) The method defined in Claim 92 further comprising determining an order in which bits are allocated.

95. (Currently Amended) The method defined in Claim 92 wherein the high bit rate distribution is a non-lossy distribution compression.

96. (Original) The method defined in Claim 92 wherein the high bit rate distribution is a lossless distribution.